(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT).

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 8 January 2004 (08.01.2004)

PCT

(10) International Publication Number WO 2004/003866 A1

(51) International Patent Classification⁷: 1/12, 5/00, G06F 3/12

G07G 1/14,

(21) International Application Number:

PCT/AU2003/000847

(22) International Filing Date:

1 July 2003 (01.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: PS 3314

1 July 2002 (01.07.2002) AU

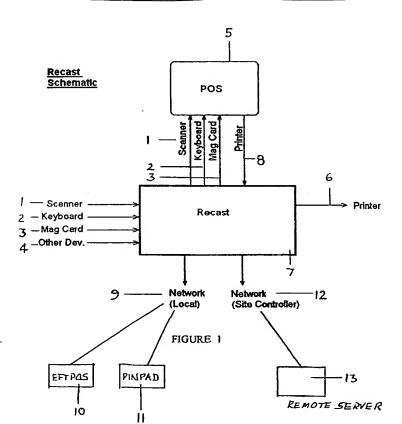
- (71) Applicant (for all designated States except US): S4 TECHNOLOGY PTY LTD [AU/AU]; Suite 1, 26-28 Oatley Avenue, Oatley, NSW (AU).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): JOHNSON, Terry

[AU/AU]; 56 Janet Avenue, Umina Beach, NSW 2257 (AU).

- (74) Agent: WALSH, John, Richard; C/- Walsh & Associates, Patent and Trade Mark Attorneys, Locked Bag 2011, Glebe Post Office, Glebe, NSW 2037 (AU).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: INTELLIGENT INTERFACE FOR MANAGING DATA CONTENT AND PRESENTATION



(57) Abstract: An intelligent electronic interface with receives a data stream from a predetermined source of data. interface may collect, compile, manipulate, adjust or otherwise process the data. For example, it may add content to, enhance the appearance of or reformat the data. The data is then transferred via an output to a predetermined peripheral device such Perferably, the electronic as a printer. interface interrupts passage of said data stream from the predetermined source of data to the predetermined peripheral device. The source of the data stream may be intentionally destined for the peripheral. The data may be a receipt text at a point of sale (POS) device, or may be from some other device whose output is to be printed, but which requires further processing to be made printable, such as a weigh-scale. The invention is described with reference to its application at POS terminals, and more particularly in enhancing the content of a printer such as a receipt printer.